SmartLine D750

User's Guide:
Basic Functions
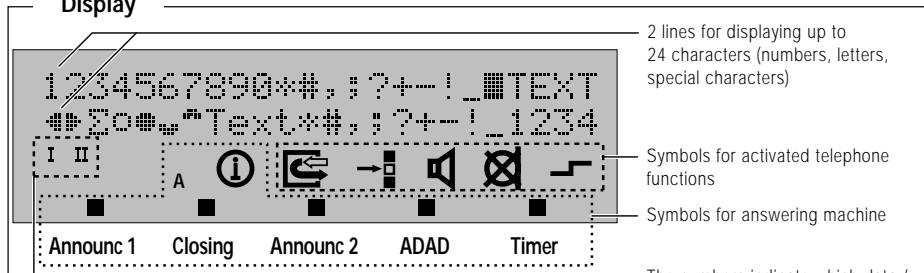
PHILIPS

The controls

- Display
- Keys for the answering device
- Appointment key with display
- Hands free microphone
- Loudspeaker
- Labelling area for name keys
- Name keys
- Changeover key for name keys
- Push button (numbers, asterisk and square)
- Disconnect key
- "Menu"-key
- Adjustment keys + and -
- Number re-dial
- Stop-key
- Cursor key for menu selection
- OK key
- Consultation hold key
- Listen in / hands free function
- Mute key
- No function

MENU

Stop

O.K.

INT

Display

```
1234567890*#.;?←-!_▉TEXT
#2●_"Text"#.;?←-!_1234
```

- 2 lines for displaying up to 24 characters (numbers, letters, special characters)
- Symbols for activated telephone functions
- Symbols for answering machine
- The numbers indicate which data / speech channel of the dial-up line is currently in use

| Announc 1 | Closing | Announc 2 | ADAD | Timer |

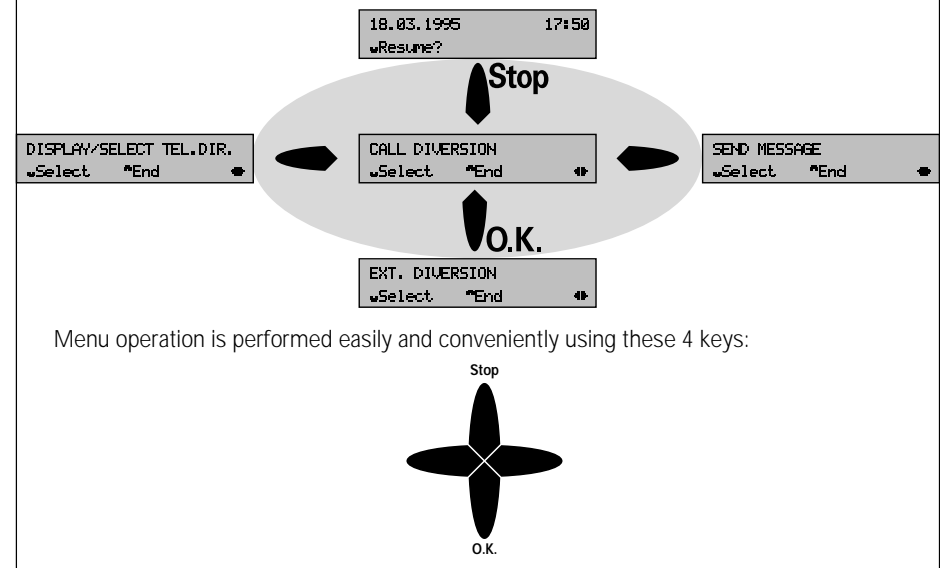|			
I II	Numerals I and II indicate which speech/data channel of the dialup line is being used.	⊠	Muting is activated.
→▌	Hot line is activated.	⌐	The changeover key for the name keys was actuated: 2nd memory level is activated.
◁	Open listening or hands-free operation is switched on.	⤆	A call diversion is switched on.

The menu control

The functions of the unit are collected together in a menu.
They are shown in "plain text" in the display:

```
DISPLAY/SELECT/TEL.DIR.
_Select    "End      ◀▮▶
```

Menu operation:
Display with the functions which can be selected

Display where it is possible to call up further menu items using cursor keys

Operation can be stopped or cancelled using the STOP key

Confirm selection with OK key (here: activating telephone directory)
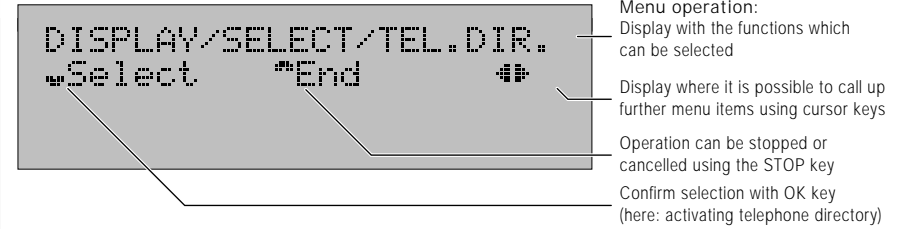
Example: Possibilities after selecting the menu item CALL DIVERSION:

```
18.03.1995        17:50
_Resume?
```

Stop

```
DISPLAY/SELECT TEL.DIR.      CALL DIVERSION           SEND MESSAGE
_Select   "End   ▮          _Select   "End   ◀▮▶      _Select   "End   ▮
```

O.K.

```
EXT. DIVERSION
_Select   "End   ◀▮▶
```

Menu operation is performed easily and conveniently using these 4 keys:

Stop

O.K.
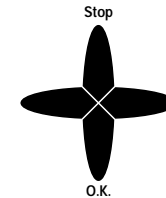
Pictograms of the user's guide

⌣	Handset is on-hook
↑	Lift handset
↓	Replace handset

(keypad)	Keyboard input
)	You are making a call

In the following pages you will be shown a small selection of the possibilities for using your new ISDN telephone. However, the SmartLine series models offer a far wider range of features.

Please note that the availability of certain functions depends on the type of ISDN telephone line and on additional services and features which must be ordered from your national telephone network provider.

This user's guide is based on the Euro ISDN standard which is compatible with the DSS1 standard of most European countries.

SmartLine D750: Two comfortable connections to the telephone network

The Euro ISDN basic access (line) connects the telephone with the telephone network. It offers two so-called "B-channels", via which two external calls can be made simultaneously. With the SmartLine D750 you can use this possibility to the full:

Does this sound familiar? ... You are in the middle of telephone call and suddenly the telephone at the connection rings. You tell the first party (i.e. the person you are talking to on the phone) what has happened and put the handset to one side. You then dash to the other telephone.

Once you are there, you take the second call (hopefully you remembered to press the "mute" key on the first telephone ...). Now you must decide which call you wish to terminate, perhaps you will decide to "jump" from one telephone to the other... As we said: Does this sound familiar? ...

Camp-on busy tone

Using your SmartLine D750, this works far more easily:
An new incoming call during an existing call is signalled by the "camp-on busy" tone in the handset. If the caller has an ISDN connection, your telephone number can be displayed. You can decide whether you wish to accept or reject the 2nd call.

Accepting or rejecting

Consultation

You can accept the second call without ending the first one. The first party cannot listen in to this consultation call. After that you can resume the first call.

Brokering

Or: You can speak alternately with both parties (brokering).
Perhaps you would even like to talk to both parties at the same time: To do this, simply switch on the conference function.
You can also connect both parties with each other (transferring).

Conference Transferring

By the way: You do not have to wait for a second party to call. You can also set up the calls for consultation, brokering, conference and transferring yourself.

You will find these functions explained in the following sections of part A:
Camp-on busy: chapter 2.10; consultation, brokering, conference and transfer: chapter 3

Important calls: A SmartLine D750 speciality

When you are waiting for an important call, the following situations always seem to occur:

Call diversion

Situation 1:
It would have to be at this moment that you have to leave the house or the firm because of an important appointment. What can you do? Cancel the appointment? Or ask someone else to "guard" the telephone and then call you?
Solution: With the SmartLine D750 you can divert calls for one (or even all) telephone numbers of your line to another number. In this way you are always available.

Call filter

Situation 2:
Whilst you are waiting for an important call, lots of other calls come in, for which you don't really have time...
Solution: For this case (and for others, too) your SmartLine D750 has a call filter. Using this, you can specify up to 3 telephone numbers, whose calls should be accepted or barred. This applies to calls from an ISDN line telephone number transfer.

You will find these functions in the following sections of part A:
Call diversion: chapter 4.5; call filter: chapter 5.9

Telephone No. display: Communication even before the handset is lifted

Telephone directory Name keys

In the case of a call from another ISDN line, the telephone number of the caller can be shown to you in the display. This means that even at the first ring a caller hands over his "calling" card at the SmartLine D750. If you have already entered his/her telephone number in the telephone directory or in a name key memory of you telephone, even the accompanying name is displayed.

Call list

If you can't take a call (with transfer of the telephone number), the SmartLine D750 stores the telephone number in the call list (max. 10 positions). You can then select the telephone number from this list when you call back.

Identification

Your own telephone number can be transferred ...
1. ... When you call a party with an ISDN line.
2. ... If you are called: Your telephone number is also transferred to the caller. In this way he can be sure that he has reached the right party.

You can also prevent the transfer of your own telephone number, the so-called "identification". This way you remain anonymous from the start. Continuous or temporary suppression of the telephone number is possible.

You will find these functions in the following sections of part A:
Telephone directory chapter 4.3; call list: chapter 4.1; identification: chapter 2.9

Notes

Choice of location

When choosing the location for your telephone you should think about the following:
- Avoid the direct vicinity of CD players, video recorders, televisions, computers and microwave equipment.
- Avoid installation in locations with heavy concentrations of smoke or dust, exposure to direct sunlight or humidity or in the direct vicinity of heat sources.
- Place the unit on a non-slip mat so that the plastic feet of the unit are not damaged by the furniture coating, leaving undesirable marks on the furniture surface.

Settings

You can adapt the telephone to suit your personal requirements. Please note that changed function settings are stored by the unit approx. 10 seconds after entry. Only after this time are the changes effective.

Functions of the ISDN line

Euro ISDN is the new European standard for digital telecommunication. The connection to conventional (national) ISDN and to the analogue telephone network is performed easily via the existing exchanges. In this User's Guide, "ISDN" refers to Euro ISDN in conjunction with the SmartLine D750.

The SmartLine D750 is designed for the **Euro ISDN multi-device line**. Please note that whether functions can be used or not depends on the type of ISDN connection ordered:
The following line access types are available, for example, **in Germany**: Simple, standard and comfort access. You can extend the range of features by ordering new features from your telephone network provider (in Germany, Deutsche Telekom AG).

In most other **other European countries** ISDN features are offered as extendible modules. If you do not exactly know which features are obtainable from your network provider, please always use the "comfort" line access type. The features are then used depending on the network. Of all the possible ISDN features, only "closed user group" (CUG) and "subaddressing" (SUB) are not supported.

The "exchange connection" function is at present in planning. It can currently only be used at one SmartLine D750 line with a PABX (Private Automatic Branch Exchange).

The use of certain functions assumes that the caller/person you are calling has an ISDN line and has activated the corresponding functions. Example: Display of a caller's telephone number is only possible if he/she has an ISDN line and has not suppressed his/her telephone number display. The same applies correspondingly for the transfer of message texts, for example.

About this User's Guide

The present user's guide is in two sections:

Part A: Basic telephone functions:
In part A of the user's guide the common basic functions of the SmartLine D750 telephone are explained. .

Part B: Using the answering device:
Part B explains the functions of the answering device as a part of the telephone.

Table of contents: A – Telephone operation

1   Start up: Overview

The SmartLine D750 offers you a large range of functions – yet it is simple and quick to use: You can use your telephone after only three preparatory steps!

❍ **Step 1: Connecting the telephone   (1.1)**
Here you will be shown the necessary connections.

❍ **Step 2: Operating overview   (1.2)**
The SmartLine D750 supports you in all operations through information in the display. This section provides you with an overview of basic displays and operations.

❍ **Step 3: Connecting the telephone   (1.3)**
Your telephone requires some information about your ISDN line. Polling is performed automatically during initial operation.
You will find further basic settings in chapters 4 and 5.

● Now you can use the telephone:
Telephoning: The first steps   (2.1)

1.1   Connecting the telephone

Prior to initial operation, you must carry out some connections.

Cables

The necessary cables and the plug-in power unit are included in the telephone's scope of delivery. For safety reasons, the telephone must only be operated using the plug-in power supply unit supplied with it.
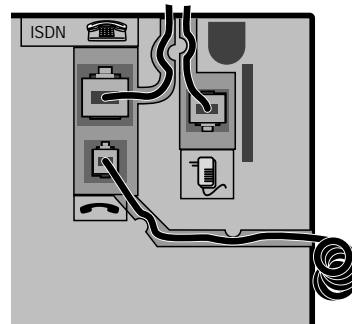
Connection sockets

The connection sockets are on the underside of the telephone. They can be distinguished by their different sizes and are marked by symbols (refer to sketch).
Refer to the following page for the connections.

Cable guides

Once you have established the plug-in connections, you must route the cable through the accompanying cable guides. This ensures a correct setting up of the telephone. Carefully press the cable into the recesses (refer to sketch).
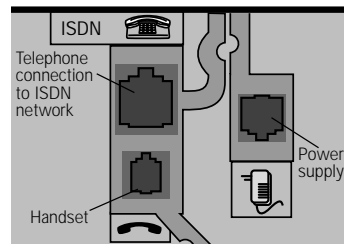
Underside of unit

Underside of unit

Plug-in connections

Insertion is performed in the same way for all three sockets:

• Insert the plug into the socket so that the locking catch points in the direction of the corresponding cut-out in the socket.

• Push the plug into the socket until it locks.
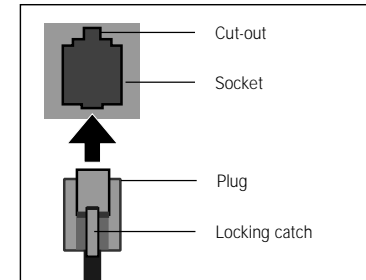
Telephone handset

You will find the handset and the spiral cable in the packaging.

• Connect the plug of the cable end with the longer straight piece with the corresponding socket on the underside of the telephone previous page).

• Connect the other plug of the cable with the

• Route the cable through the cable guide.

Spiral cable for telephone handset

To the handset socket
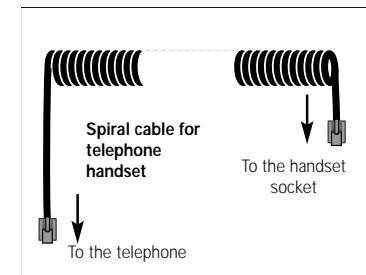
To the telephone

Power supply

Now insert the appropriate plug of the plug-in power supply unit into the corresponding socket (see sketch on previous page). For safety reasons, the telephone must only be operated using the plug-in power supply unit supplied with it. Insert the plug-in power supply unit into the 220/230 volt socket.

Caution: Your telephone will not operate if the plug-in power supply is not inserted or in the case of a power failure.

Telephone connection ISDN

The connection cable for the ISDN line has two identical plugs.
Insert one of them into the telephone socket. Connect the other one with the socket of the telephone connection (ISDN socket).

Releasing the plug-in connections

First of all, pull the supply unit out of the power socket.

Releasing a plug-in connection:
❶ Press the locking catch towards the plug.
❷ Pull out the plug, holding it on both sides (keep locking catch depressed).
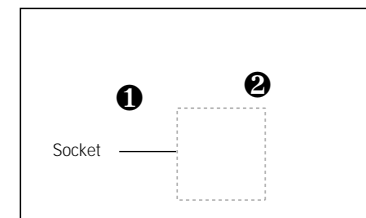
1.2   Operating overview

Basic displays

Idle condition

Idle condition: The handset is on-hook. There is no actual call. Time and date are shown in the top display line.

```
18.03.1995              17:50
↲Resume?                    ⊕
```

The display is automatically set after the first outgoing connection. At every the outgoing call the display is synchronised.

If no key is pressed for 30 seconds during an operating sequence, the unit returns to the idle condition in almost all cases!

Ready-to-dial-condition

The handset was lifted or the function open listening/hands-free operation switched on. The telephone is ready to dial a telephone number.
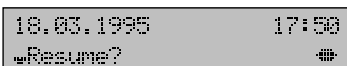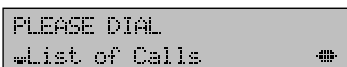
```
PLEASE DIAL
↲List of Calls            ⊕
```

Display contrast

The display contrast can be altered in the idle condition of the telephone using the adjustment keys ("+" and "–") in 8 levels. To increase the contrast, press the "+" key, to reduce it, the "–" key.

Selecting functions

During operation, you are assisted by user prompting with display messages:

MENU

Press "Menu" key to begin selection from the menu. You can now select functions. These are displayed to you in the top menu line. By pressing the "menu" key again, you can exit the function menu.

Stop

= **Stop key: End operation or abort**. You can return to the previous menu level by pressing the key once or, by repeated pressing, back to the idle condition. Menu

= **Cursor keys: Selection** from the menu. You can "page" forwards (right) or backwards (left) through the menu. Using the left cursor key, you can also delete letters and digits. The right cursor key can generate blank spaces.
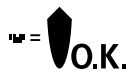
= **O.K. key: Confirmation** of a selection or setting

Acknowledge tones: During operation you are informed by tones in addition to the display texts. These so-called acknowledge tones depicted in the appendix in the section "Acoustic signals".

Depiction of operating sequences:

In the User's Guide, the selection of a menu item is depicted in simplified form:

● – ◀▶ TONE CALLER – ▮O.K. TONE CALLER VOLUME = – ▮O.K.
MENU

This corresponds to the sequence:

•   Press the **"menu" key**, to start selection from the menu.
•   Using the **cursor-keys,** select the menu item TONE CALLER .
•   Press the **O.K. key** , to confirm the selection.
    The menu item TONE CALLER VOLUME is offered.
•   Press the **O.K. key** to confirm selection.

Currently usable functions

In the 2nd line, the currently usable functions are offered; (e. g. in ready-to-dial condition or during a call). In this way, it is possible to activate rejection of a call by pressing the O.K. key.
The display of these functions depends, for example, on the programming and connection conditions. They are not elements of the function menu. If several such function are available, the symbol selection is displayed by means of the cursor keys (⊕). The desired function can then be selected using the cursor keys.

Since the sequence of these functions can differ, the desired function for operation may have to be selected using the cursor keys. This is depicted as follows:

(◀▶) Reject

Enter PIN

Some functions are protected by the need to enter a PIN number. The PIN (Personal Identification Number) is a 4-number code. On delivery, the PIN is: "0000" .
If an incorrect PIN is entered, operation is aborted. If you make a mistake when entering the PIN: Press the O.K. key and enter the PIN again .

Acoustic signals

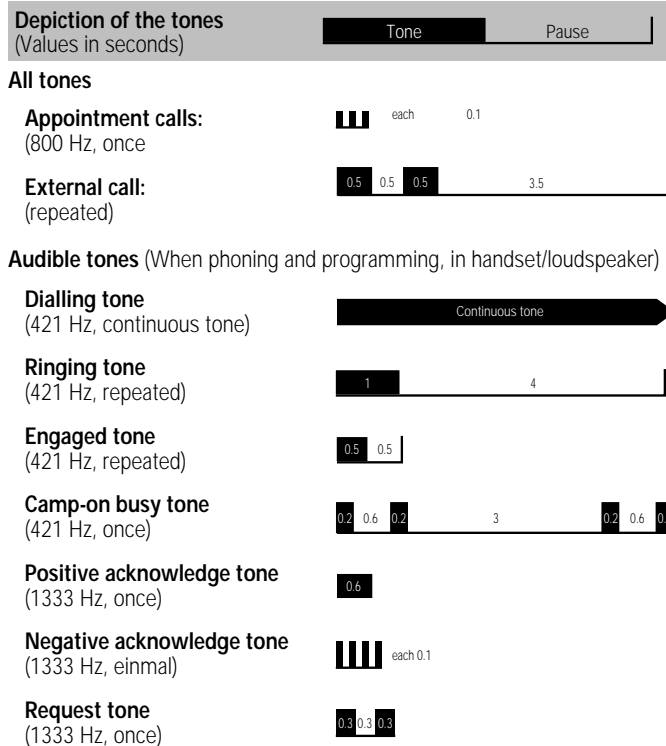#### Acoustic signals when telephoning:

•   You can hear the dial tone when you lift the handset.
•   The ring tone sounds when the called connection is available.
•   The busy tone sounds when the connection you are ringing is busy.
•   The camp-on busy tone advises you of another pending call.
•   The normal ringer tone signals calls.
•   The appointment tone signals the arrival of a set appointment date/time.

Acoustic signals during operation and programming:
- The positive acknowledge tone confirms correct input (e. g. after dictating an announcement text).
- The negative acknowledge tone indicates an incorrect operation.
- The request tone requests you to perform an input or operation (e. g. during remote control of the answering machine).

Depiction of the tones (Values in seconds)	Tone	Pause

All tones

Appointment calls:
(800 Hz, once

each   0.1

External call:
(repeated)

0.5 0.5 0.5   3.5

Audible tones (When phoning and programming, in handset/loudspeaker)

Dialling tone
(421 Hz, continuous tone)

Continuous tone

Ringing tone
(421 Hz, repeated)

1   4

Engaged tone
(421 Hz, repeated)

0.5 0.5

Camp-on busy tone
(421 Hz, once)

0.2 0.6 0.2   3   0.2 0.6 0.2

Positive acknowledge tone
(1333 Hz, once)

0.6

Negative acknowledge tone
(1333 Hz, einmal)

each 0.1

Request tone
(1333 Hz, once)

0.3 0.3 0.3

1.3   Initial installation

1.3.1   Setting up the connection

Having connected the telephone as described, you can use it without further actions.

    00.00.1995   00:00
    ↵Anonymous   ⊞

- The multiple subscriber numbers (MSN's) are not specified.
  The ISDN-switch sends the default MSN to the called party. The phone answers to all MSN.
- The connection type is pre-set to „Comfort" which includes a set of additional ISDN features.

- All additional ISDN-features are enabled („ON"). Accordingly, you can utilize all features that actually have been released for your connection by the network operator. ISDN-functions that have not yet been implemented in your network or are disabled, will simply be ignored on causing a short error message in some cases. (In cases, where the problems are bigger depending on your ISDN network, please refer to chapter 5.12 in order to disable the additional features)

If your telephone shall only react to calls for a specific MSN:

Proceed as outlined in section 5 („Setup menu"). Please note the following changes:

- A MSN can consist of max. 10 digits.

- The complete MSN does not have to be entered anymore. Entering the last digit of the MSN will do.
  For instance: the MSN's: 87431, 87469 and 87432 have been allocated to your ISDN-connection. If you enter „1" by programming the function „ENTER/CHANGE MSN", the telephone will only react to calls for subscriber number 87431.

Recomendation for entering the MSNs

- when you want to set up a call forwarding function, you set it according to a specific MSN

- if you want to associate your incoming and outgoing calls to a specific MSN

    1234567890
    for MSN: 0987654321   ⊞

1.3.2   Telephoning

Initiating a call: a specified MSN identifies the call

When calling, you can now specify which multiple subscriber num-
ber (MSN) that will be the transferred to the called party as identifi-
cation. In order to do this the corresponding function must be assig-
ned to a name key; on pressing the name key the desired MSN is
entered. This specific MSN will then be transferred to the called
party when making the next call; having made this call, the setting
will be reset to the default value.

⬤ or ⌐⬤   **Press the name key with the function**

„DIAL WITH MSN:"

    (for the assigment of the function to the name key, see below)

⌨ **enter the MSN**

Prerequisites for the application:

• The MSN's of your ISDN-connection must have been **completely** speci-
fied in the setup menu by the menu item „ENTER/CHANGE MSN".
• The name key must have been properly programmed (:applied as func-
tion key). Accordingly you perform the following steps (section 4 of the
Operating Instructions):

⬤ - ⬤⬤ PROGRAM NAME KEYS - ▮O.K. - ⬤⬤
MENU

NAME KEY = FUNCTION ▮O.K. **Confirm selection**

Select name key: ⬤ **or** ⌐⬤

⬤⬤ DIAL WITH MSN: **(display of a multiple subscriber number)**

    Select the function with the desired multiple subscriber number.

▮O.K. **Store input**

Number redialling with lifted handset

The subscriber number is now selected by the cursor and OK keys.

☎ - ◉ **Press the redial key**

◉ **Select the number to be redialled; pressing the redial key again.**

▮O.K. **Confirm your selection**

1.3.3   Entering additional characters

Entering the DTMF characters „asterisk" ✱ and „square" #

Applies for keypad functions as well as for the programming of name keys
and telephone directory: additionally, DTMF-sequences can be entered,
applying also the „asterisk" and „square" buttons.

1.4   Changing the display language

2 language variants are available for the display texts: The standard setting
is D̶ = German. You can change over to the other language:

**Changeover
language**

⬤ - ⬤⬤ SET-UP MENU - ▮O.K. SET-UP MENU: PIN?
MENU
⌨ **Input PIN -** ⬤⬤ LANGUAGE =

▮O.K. **change over to the other language -** ▮O.K. **store setting**

Please notice: Changing to english language causes that the national prefix
will be erased due to requirements in several countries (please refer to
chapter 5.4).

2.1   The first steps ...

I II

With calls, the active B-channel of the dialup line is displayed. An ISDN basic access connection has two B-channels.

2.1.1   Initiating a call

You initiate calls by entering a telephone number. Instead of manual dialing, you can also use the telephone number memories from the telephone directory, last number redial or name keys.

↑ **Lift handset -** ▦ **dial telephone number - ♪ make call**

Depending on the ISDN access type (or the additional features ordered), the charge amount is displayed to you either during, or, (for few seconds) after ending a call.

2.1.2   Dialing preparation

The telephone number can also be entered before lifting the handset. Advantage: Incorrectly input digits can be deleted using the left cursor key. The telephone number is dialed once you have lifted the handset.

2.1.3   Accepting calls

Tone caller

+ −

Display

The tone caller signals a call. During the call the volume can be set using the adjustment keys (+/–) the changed setting also applies to the following calls).
With a call from an ISDN connection, the **telephone number** of the caller is displayed. "TEL.NO. UNKNOWN" : Display is suppressed by the ISDN connection or the call is from an analogue line.

If telephone number and the name of the caller are stored in the telephone directory or in a name key memory of your telephone **name** is displayed.

↑ Lift the handset: You are connected with the caller.

◡ By pressing the disconnect key, you can **reject** a call during signalling by the tone caller: This switches off the tone caller. If the answering device is switched on, it takes the call.

2.1.4   Ending the call

↓ End the call by replacing the handset. The call charges are displayed, if the function is available.

2.2   Open listening and hands-free operation

Key: 🔊

Display:

🔊

Open listening: You hear the other party via the loudspeaker.
Hands-free operation: You talk using the microphone of the telephone and hear the other party via the loudspeaker.

1. You can make calls using open listening and hands-free operation.
2. You can also just switch on the open listening function, so that others can listen as well. Tell the other party what you are doing.
Open listening and hands-free operation are possible at any time. For this reason, no special mention will be made of this when explaining the individual functions. Each time, the sequence used when lifting the handset is described.

Accepting and ending calls

Accept

🔊 + −

Press key for open listening/hands-free operation. This corresponds to lifting the handset. The symbol appears in the display. The volume can be set using the adjustment keys (+ = louder, − = quieter). The basic volume is not changed by this.

End 🔊

Press key for open listening/hands-free operation again. This corresponds to replacing the handset.

♪
🔊

Switching on open listening during a call The call is made using the handset. It should also be able to be heard via the loudspeaker.
Switch on open listening: Press key for open listening/hands-free operation. You continue to talk using the handset.

🔊 Switch off open listening again: Press key for open listening again.

♪

🔊 ↓

Switching on hands-free operation during a call
The call is made using the handset. Additionally, the hands-free operating mode is to be switched on.
Press key for open listening/hands-free operation and keep it pressed. With the key depressed: Replace handset Hands-free operation is switched on. The key must no longer be pressed.

↑ **Continuing a call using the handset**
The call is being made using hands-free operation and is to be continued using the handset: Lift handset

Loudspeaker volume
You can preset the volume of the loudspeaker for open listening.

● **−** ◖▶ SET-UP MENU - 🔘O.K. - PIN? - ▦ input PIN
MENU
◖▶ LOUDSPEAKER VOLUME - 🔘O.K.
◖▶ **Adjust volume:** 1 (quiet) to 8 (loud) - 🔘O.K. **store**

2.3   Number redialing

Number redial – history function

Using the number redial function, the last three (manually) dialed telephone numbers are stored automatically = history function. The telephone number dialed last overwrites the oldest entry in the telephone number redial memory.
With some programming operations, you can transfer a telephone number from one of the number redial memory (display: ▢⊞). To do this, press the number redial key.

Telephone in idle condition:
Keep pressing the number redial key, until the desired telephone number is selected.

The telephone number is dialed after lifting the handset (or after switching on open listening/hands-free operation).

Number redial – automatic dial

Using this function you can have the telephone numbers of the number redial memory dialed automatically up to 10 times (if the line is currently "busy"). The interval between dialing can be adjusted (see 5.8). The function cannot be used if "automatic callback" or a charge account is switched on. If the "automatic dial" function is active, then the name and function keys are disababled.

Telephone number is selected (see above): In the display the Autodial function is offered.

Switch on autodial. (For premature termination: Press the O.K. key.)

As soon as the party you are calling answers, you hear an advisory tone: Open listening/hands-free operation are switched on automatically.

The call can be continued via the handset: For this, lift the handset.

2.4   Muting

The handset or hands-free microphone can be switched off during a telephone call using the mute key. The other party cannot hear you any more.
During a call: Press the mute key. The symbol appears in the display. You can then talk to someone else without the party on the telephone being able to hear what you are saying.

Press the mute key again to switch the microphone on again.

2.5   Handset volume

The handset volume can be changed in two levels: "normal" and "loud".

Press the "menu" key followed by the "#" key. Using the same procedure you can switch back to normal volume.

2.6   Ringer

The ringer signals calls. Melody, tone sequence and volume can be changed (on delivery: Volume: 6, tone sequence: 5, melody: 1).

Volume melody

● - ◄●► TONE CALLER- ▮O.K. TONE CALLER VOLUME - ▮O.K.
◄●► **Set volume:** Off to 8 (= loud) - ▮O.K.

Changing tone caller sequence

● - ◄●► TONE CALLER - ▮O.K. TONE CALLER VOLUME - ◄●► TONE CALLER SEQUENCE ◄●► **Set tone caller sequence:** 1 to 10 – ▮O.K.

Changing melody

● - ◄●► TONE CALLER- ▮O.K. TONE CALLER VOLUME - ◄●► TONE CALLER MELODY ◄●► **Set tone caller melody:** 1 to 10 - ▮O.K.

2.7   DTMF signalling

So-called DTMF (dual-tone multifrequency) signals can be transmitted in idle condition, after dialing and during a call using the digit keys as well the asterisk and "square" ("#")keys. In this way, you can interrogate the answering device or use special services .
The character sequences can also be called up from the telephone directory or by means of a name key.

2.8   Keypad information

Keypad information (keypads) can be used at an ISDN telephone system for controlling functions. Keypads can be sent before, during and after dialing, during a call and during calling itself.
You can allocate keypad information (keypads) to name keys (see 4.4).

↑ - (▤ dial tel. number) - ●MENU - ✱ KEYPAD ON
▤ **Input keypad information**

2.9   Identifying

"Identifying" is the transfer and display of your own telephone number on the telephone of the other party. Y
1. If you call someone yourself (identification with outgoing calls).

2. If you are called, as soon as you accept the call (identification for incoming calls). The caller can read your telephone number in his/her display (assuming the caller's telephone has a display). This can be very important in cases where the call has been diverted.

When ordering an ISDN line, you can specify whether the telephone number display transfer should always be suppressed or not.

Prerequisite for changing over the identification:

1. Telephone number transfer must be available for your ISDN line.

2. The ISDN function "selective identification changeover" must be available as a feature for your line. This changeover facility must then be activated as an additional feature at your SmartLine D750 (see 5.12: Additional function "Identification changeover").

Once you have performed the settings, you can use the changeover facilities described here (identification off = suppression of telephone number transfer). The changeovers can be used differently for incoming and outgoing calls.

2.9.1   Basic setting

You can set the transfer of your telephone number (= identification) to be always on or off (on delivery: switched on). For the prerequisites for this feature, please refer to the previous section. The menus described here are only offered when these prerequisites are fulfilled.

Identification with outgoing calls

● - ◄●► IDENTIFY/COB
MENU

▌O.K. OUTGOING ID. = OFF or ON

▌O.K. switch on or off – ▌O.K. store setting

Identification with incoming calls

● - ◄●► IDENTIFY/COB - ▌O.K.
MENU

◄●► INCOMING ID. = OFF or ON

▌O.K. switch on or off - ▌O.K. store setting

2.9.2   Temporary identification changeover

Identification can be changed over temporarily (for the following call). The basic setting (see 2.9.1) is not altered by this.
The above mentioned prerequisites also apply for temporary identification changeover.

You receive a call: Switch over before taking the call.
You wish to make a call: Switch over before dialing the telephone number.

The following is offered in the display (if necessary, select using the cursor keys):
• "Anonymous" with basic setting identification = On. or:
• "Identify" with basic setting identification = Off.
Press the O.K. key to temporarily change over identification.
If identification was changed over prior to manual dialing, this changeover is also transferred to the number redial memory.

2.10   Camp-on busy (COB)

Another incoming call during a telephone call is signalled to you acoustically by the camp-on busy tone. You can accept or reject the call. You can switch the authorisation for camp-on busy on or off (on delivery: on).

You are in the middle of a call. A 2nd call is signalled:

Accepting a call

♪ - Reject call is offered - ◄●► Accept

▌O.K. **Accept call**

You are connected with the caller, the 1st call is put on hold.

End the 2nd call: ☎ **press the disconnect key**

You are reconnected with the first party.

You can also end the 1st call by replacing the handset. The camp-on call is then signalled as a normal telephone call.

Rejecting a call

You are in the middle of a call. A 2nd call is signalled:

♪ - Reject call is offered - ▌O.K. **Rejecting a call**

The caller hears the a ringing tone. If the answering device is switched on, it takes the call

Camp-on busy: Switching authorisation on and off

● - ◄●► IDENTIFY/COB - ▌O.K.
MENU

◄●► C.O.B.   = OFF or ON

▌O.K. **Switch on or off** – ▌O.K. **store setting**

2.11   Automatic callback when busy

When the connection you are calling is busy, you can activate the "automatic callback when busy" function. As soon as the busy connection is free again, the callback is signalled to you. The party being called must be external with a Euro ISDN line!

The function can only be used if it has been made available by the local ISDN exchange of the telephone network operator. When "Call back" is activ, then the name and function keys are disabled.

The connection you are calling is busy: You hear the busy tone.

Request callback

(◄●●) Callback? - █O.K. **activate function**

Accepting automatic callback

As soon as the party you are calling has finished his/her call, the callback is signalled to you. In the display: CALLBACK: + display of the tel. number

Lift the handset: The person you were calling is automatically called again.

When the person you are calling answers: Make the call. The callback is then deleted.

Notes

If you are in the middle of a call when the callback occurs, this is signalled by the camp-on tone and display of the telephone number (see "Camp-on busy").
This ISDN function can only be used if it is available for your line.
"Automatic callback when busy" cannot be used, when "autodial" is activated.

2.12   Intercepting a telephone number

If you are being pestered by a caller, you can have his number stored = "intercepted". This possible up to 20 seconds after the call has ended.

Intercept is also possible, when the caller has activated telephone number suppression! The "intercepted" telephone number can be obtained from the local office of you telephone network provider.

The ISDN function must have been previously ordered from your telephone network provider. Additionally this ISDN service must be activated at your SmartLine D750: See part A, section 5.12.

(◄●●) Intercept - █O.K. **switch on function** - █O.K.

3.1   Notepad

During a call, you transfer the telephone number of a caller into the notepad memory, so that you can call him/her later on.

Call with telephone number display (from an ISDN line with telephone number transfer): The telephone number can be transferred directly.

✆ - ◉ Press number redial key once or several times, to **select a memory**

█O.K. **Take over the telephone number of the caller** - █O.K.

Call without telephone number display: A telephone number dictated by the caller can be entered manually – once the number redial memory has been selected.

3.2   Consultation

You can set up a 2nd call during a telephone call. During this consultation, the 1st party is put "on hold". He/she cannot hear the consultation call. After that you can continue the first conversation.

You are in the middle of a telephone call:

Ⓡ - ▦ **Dial telephone number** - ✆ **make the consultation call**
End consultation: ⊙ **disconnect key** - ✆ **Continue the 1st call**

3.3   Transfer

You can set up a 2nd call during a telephone call so that you can subsequently connect both parties with each other.

You are in the middle of a telephone call:

Ⓡ - ▦ **dial tel. number** - ✆ **announce the transfer**
◄●● transfer - █O.K.

Notes

After transferring, the call charges will continue to be charged to the person who set up the respective connection.

The "exchange connection" function can only be made available at present with one line of the telephone at a PABX (Private Automatic Branch Exchange).

3.4   Brokering

You can set up a 2nd call during a telephone call so that you can talk alternately with both of the other parties (= brokering). During brokering, the party that you are not talking to at that moment is put "on hold". He/she cannot hear the other conversation.

You are in the middle of a telephone call:

Ⓡ - ☷ Dial telephone number - ♩ When you are connected with the 2nd party: Ⓡ By repeatedly pressing the consultation key, you can switch between the two connections.

End brokering: ☏ press disconnect key

♩ You are reconnected with the party you previously put on hold

3.5   Conference

You can set up a 2nd call during a telephone call so that you can subsequently talk with both parties at the same time. For this, the ISDN function "three-party conference" must be available for your line.

You are in the middle of a telephone call:

Ⓡ - ☷ Dial tel. number - ♩ When you are connected with the 2nd party: ◀●● Conference - ▮O.K.

end conference: ☏

Note If one of the parties you are talking to ends the call, you remain connected with the other one.

3.6   Parking

You can "park" a call. The connection still remains.

There are two ways to resume the call:

1. You pull the plug of the telephone at the telephone connection socket in order to plug it into another socket (of the same multi-device line). You can then resume the call there.

2. You can also resume the call at another SmartLine D750 operating at the same ISDN line.

Parking a call

♩ You are in the middle of a call (◀●●) Park - ▮O.K.

☷ You can input a **code** (maximum 2 digits) for the connection . The input is, however, not necessary.

▮O.K. Confirm storage

You can resume the call connection within 3 minutes.

Resuming the call

↑☏ – (◀●●) Resume? – ▮O.K.

Only if parking was performed using a code number:
☷ **Enter** code (maximum 2 digits) ,

▮O.K. Confirm storage

Notes

The parking period must not exceed 3 minutes.
Resumption of the call can also be performed without previously lifting the handset. The unit then automatically switches hands-free operation on.

4.1   Call list

Certain calls with transfer of the telephone number can be automatically stored in the call list:
1. Not accepted calls (also applies when the capacity of the answering device has been reached).
2. Camp-on busy calls which were refused.

A maximum of 10 calls are stored along with telephone number and the message sent. With more than 10 calls the oldest entry is replaced by the next incoming call.

Viewing the call list / deleting an entry

If list entries are available, List of Calls is displayed in idle condition:

Viewing the list

(◀●●) List of Calls - ▮O.K. - display of the last caller

◀●● select input

▮O.K. read more: **date, time, number of calls**

◀●● Select display of a Message (if present), or called MSN

▮O.K. Confirm Call back

Deleting an entry

Or: ◀●● ERASE ENTRY - ▮O.K. Confirm erase

Selecting a telephone number from the call list

(◀●▶) List of Calls - █O.K. – ◀●▶ select entry - █O.K. confirm

more - █O.K. confirm call back - ☏ telephone number is dialed

The entry is deleted automatically after a successful call.

4.2   Entering characters

Letters, punctuation marks and numbers are available as characters. Entry is performed using the number keys. Every key has several characters allocated to it. These are printed on the unit's housing.

▦   The current **input position** is indicated by a flashing square.

A-Z   Entry of **texts** (names) is, for example necessary in the case of the "telephone directory" and "message" functions. Text input is possible if "A-Z" is displayed in the 2nd line.

0-9   In many programming operations, digits also have to be entered (in display e. g. "0-9"). Digits and letters can be deleted using the left cursor key (in display " ◀").

Selecting characters:
Example key 2

❷ A – ❷ B – ❷ C – ❷ 2 (the digit of the key follows the last letter of the key) – ❷ A (the 1st character appears again)

Next character: After a character has been selected, press the key for the next character.

◀▬▬   Pressing the cursor right key shifts the input marker one place to the right: You can now select another character. Pressing the right cursor key again generates a **blank**.

▬▬◀   **Delete character:** press left cursor key

Example: Input-ting of a name

Name "OTTO": ❻❻❻ O – ❽ T – ◀▬▬ ❽ T- ❻❻❻ O

4.3   Telephone directory

Using the telephone directory

The integrated telephone directory has 20 memory locations for entering telephone numbers with names. If a caller is stored there with his/her name, this is displayed to you in the case of a call (applies to calls with transfer of the telephone number). The telephone can be called in the following conditions: In idle condition, in ready-to-dial condition or during a call.

Viewing entries

☏ - ●MENU – ◀●▶ DISPLAY/SELECT TEL.DIR. - █O.K.

Select memory location (name display):
▦ Enter the fisrst letter of the name using the keyboard (4.2)

Or: ◀●▶ View memories one after the other using the cursor keys

█O.K. **View telephone number**

During selection, the name keys programmed with telephone numbers are displayed in addition to the entries in the telephone directory. It is thus possible to make a selection out of a maxium of 40 entries.

Autodialing telephone numbers

Once you have selected the desired entry:
☏ Telephone number is dialed after lifting the handset

Alternatives

Before lifting the handset: Correcting the telephone number
After selecting an entry: Confirm the ◀Tel. number using the
The telephone number can be corrected
You can add further digits. Dialing is performed after lifting the handset or after switching on open listening / hands-free operation.

Dialing a telephone directory number in ready-to dial condition
After lifting the handset or after switching on open listening / hands-free operation, select the desired entry from the telephone directory. Confirm ◀Dialing with the O.K. key: The telephone number is dialed.
You can add further digits.

Programming the telephone directory

New entry

●MENU - ◀●▶ PROGRAM TEL.DIR. - █O.K.

TEL.DIR: NEW ENTRY - █O.K.

▦ **Enter name** (see 4.2; entry absolutely necessary) - █O.K.

▦ **Enter telephone number** - █O.K.

Changing an entry

⏺ - ◆◆ PROGRAM TEL.DIR. - ▼O.K.

◆◆ TEL.DIR: CHANGE ENTRY - ▼O.K.

Select entry: ▦ **or:** ◆◆

▼O.K. **Confirm change**

◆ **Delete name -** ▦ **input new name -** ▼O.K.

◆ **Delete tel. number –** ▦ **input new telephone number -** ▼O.K.
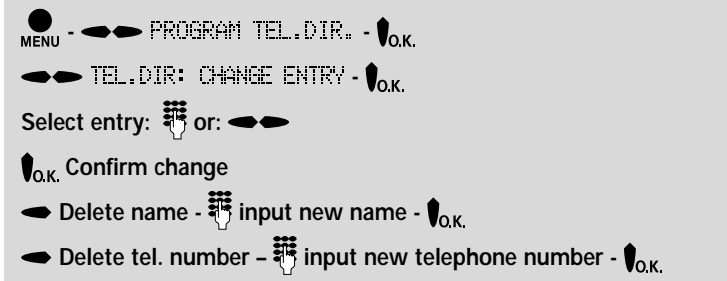
You can change the telephone number without changing the name by pressing the O.K. key. In this way the telephone number is changed.

Erasing an entry

⏺ - ◆◆ PROGRAM TEL.DIR. - ▼O.K.

◆◆ TEL.DIR: ERASE ENTRY - ▼O.K.

Select entry ▦ **or:** ◆◆

▼O.K. **Confirm erase**

4.4   Name keys

Using name keys

The telephone has 10 name keys. Two memory allocations are available per key. You can allocate telephone numbers, functions or keypads to these 20 memory locations. After programming, you can write a corresponding name for it on the relevent label.
During selection, the name keys programmed with telephone numbers are displayed in addition to the entries in the telephone directory. If a caller is stored there with his/her name, this is displayed to you in the case of a call (applies to calls with transfer of the telephone number).

Selecting the name key memory:

◆ **1st memory level:** Simply press the name key.

or ◆ **2nd memory level:** By pressing the changeover key, the 2nd memory level is activated. The corresponding symbol appears in the display ⌐.
Subsequently press the desired name key. By pressing the changeover key again, you can change back to the 1st memory level.

Programming name keys

Name key = telephone number

After programming, the telephone number can be dialed by pressing the key. The memory location can be selected before lifting the handset. The telephone number is displayed and can be corrected or extended. Dialing is performed after lifting the handset.

⏺ - ◆◆ PROGRAM NAME KEYS - ▼O.K.

NAME KEY = TEL. NO. - ▼O.K.

Select name key memory: ◆ **or** ⌐ ◆

▦ **Enter name** (see 4.2) **-** ▼O.K. **-** ▦ **enter telephone number -** ▼O.K.
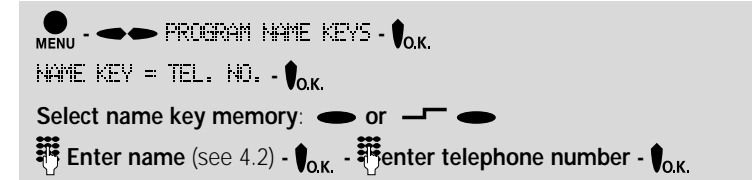
Name key = Keypad

Keypads (keypad information) are used for operation at an ISDN PABX to control system functions (refer to the operating instructions of your system for this). The name keys can be programmed with these control signals.

⏺ - ◆◆ PROGRAM NAME KEYS - ▼O.K.

◆◆ NAME KEY = KEYPAD - ▼O.K.

Select name key memory (see 4.4.1): ◆ **or** ⌐ ◆

▦ **Enter name -** ▼O.K. **-** ▦ **enter keypad -** ▼O.K.
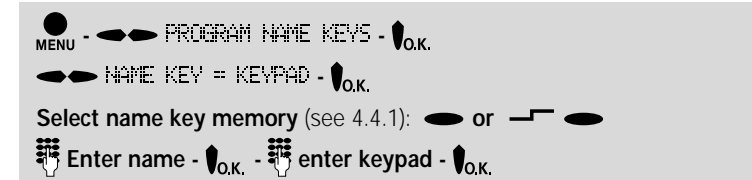
Name key = function

After programming a function, this can be called up via the corresponding name key (e. g. switching on the call diversion function). This saves you having to go through the menu.

⏺ - ◆◆ PROGRAM NAME KEYS - ▼O.K.

◆◆ NAME KEY = FUNCTION – ▼O.K.

Select name key memory: ◆ **or** ⌐ ◆

◆◆ **Select function** (* = only if available):

"DISPLAY CHARGES"*,"EXT. DIVERSION"*,"DIVERSION TO PAGER","HOTLINE =","DIAL BAR =","TONE CALLER VOLUME","TIMER","RECORD DICTATION", "PLAYBACK DICTATION"," PLAYBACK RECORDING"

▼O.K. **Confirm selection**
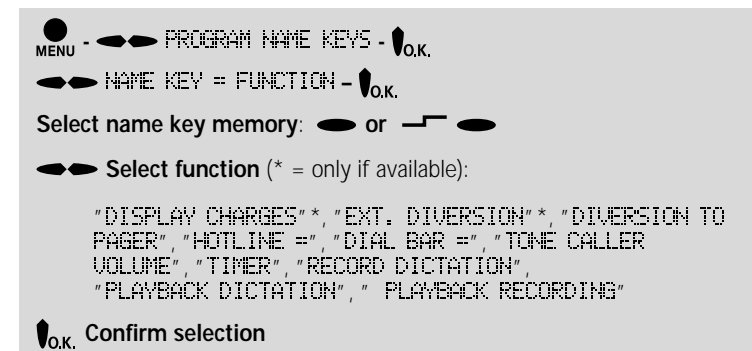
Changing the programming

After that, you can continue in the same way as with the programming:
After selecting a name key memory, the existing programming is displayed:
Confirm "Change " and subsequently make the new entries.

Deleting the programming of a name key

⬤ - ◆◆ PROGRAM NAME KEYS - ▮O.K.
MENU
◆◆ DELETE NAME KEY - ▮O.K.

Select name key memory: ◆ or ◆

▮O.K. **Confirm delete**

Labels for the name keys

The labels for the name keys are inserted into the back of this guide. You can write on them and insert them. Insert the labels straight away so that you cannot lose them.

Tip

Removing the cover

❶ Press down on the top edge of the cover and
❷ then push it downwards. This frees it at the top end.
You can now remove the cover for labelling. Two labelling areas are available for each name key.

1   **2**
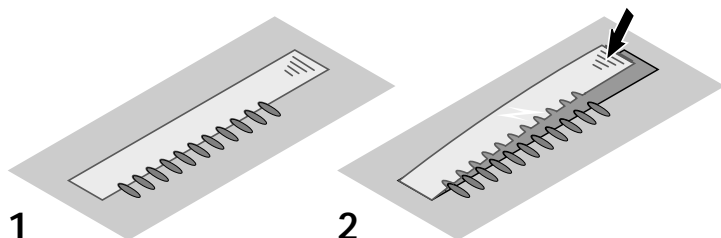
Refitting the cover

Reinsert the cover so that the matt side faces upwards. When doing this, note the position of the insert edge (see diagram).

❶ Insert the cover first of all at the bottom end,
❷ and then let it click into place at the top.

Wide edge

Narrow edge

1   **2**
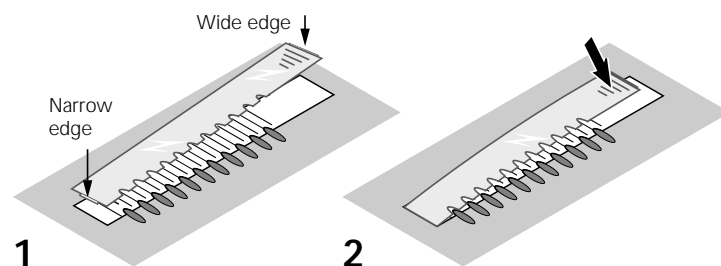
4.5   Call diversion

4.5.1   External diversion
Using the external diversion, you can divert calls to another telephone number. For external diversion you specify:
1. The **MSN**, which is to be diverted.
2. The **type of calls** (= service), which are to be diverted: "SPEECH" for "normal" calls or **all** calls.
3. The **condition**, when the diversion is to be executed: "FIXED" (= without delay), delayed (DELAY) or nonly when the telephone is busy (BUSY) . In the case of delayed diversion, the call is signalled for 15 seconds and then diverted. During this time you can answer the call.
4. The external telephone number for the **diversion destination**.

Programming the diversion Note see below

⬤ - ◆◆ CALL DIVERSION - ▮O.K. EXTERNAL DIVERT - ▮O.K.
MENU
◆◆ **Select MSN** - ▮O.K. - ◆◆ **select service:** - ▮O.K.

◆◆ **select operating mode:** fixed, busy or delayed - ▮O.K.

A check is made of the existing diversions. The procedure takes a few seconds (existing destination number is displayed).

Display: ▮O.K. **Confirm change** - (◆ **erase a possible existing telephone number**)
⌨ **Enter destination telephone number**

▮O.K. **Switch diversion on (or off):** Saving takes a few seconds

4.5.2   Forwarding to pager
You can forward calls with transfer of the telephone number (i.e. identification) to a pager. The telephone number of the caller is transferred.

Programming the diversion

⬤ - ◆◆ CALL DIVERSION - ▮O.K.
MENU
◆◆ FORWARD TO PAGER ▮O.K. - ◆◆ **select MSN** - ▮O.K.

▮O.K. **Confirm change** – (◆ **delete a possibly existing telephone number**)
Display: ⌨ **Enter destination number** – ▮O.K. **switch diversion on (or off)**

4.5.3   Switching off all diversions

Using this function, you can switch off **all** set up diversions ("external" , and "forward to pager") at the same time.

Note, see below

⬤ - ◆◆ CALL DIVERSION - ▮O.K. - ◆◆ CANCEL ALL
MENU
DIVERSIONS - ▮O.K.   ▮O.K. **Confirm cancel**

NOTE:

Since **not** all exchanges are able to support new ISDN features at the moment, you should **not yet** use the items: "EXTERNAL FOR MSN: ALL" and "CANCEL ALL DIVERSIONS" !

4.6   Messages

Message texts can be sent between telephones connected to the ISDN network. The function can only be used if it is available for your ISDN line! Additionally, this ISDN service must be activated at your SmartLine D750: See part A, section 5.12.

Receiving messages

A received message is shown in the display after ending the call. In the case of texts longer than 24 characters, you can view "more" of it in the display by pressing the O.K. key.

Sending a message

● MENU - ◄●► SEND MESSAGE - ▮O.K.

◄●► Select message - ▮O.K. View more of the message - ▮O.K.

If the selection described above is performed **during a call**, the text is transferred at the end of the call.

The message can also be selected **before the call**. This is then transferred at the next call that you make.

The selection of a text can be deleted again. Deletion of the selection is only offered where a message has been previously selected.

● MENU - ◄●► SEND MESSAGE - ▮O.K. DELETE SELECTION - ▮O.K.

Leaving messages for callers

● MENU - ◄●► PROGRAM MESSAGES – ▮O.K.

◄●► LEAVE MESSAGE - ▮O.K. LEAVE = OFF / ON

▮O.K. Switch on or off - ▮O.K.

◄●► LEAVE: TEXT SELECTION - ▮O.K.

◄●► Select message - ▮O.K. View more of the message - ▮O.K.

Changing message texts

Existing message texts can be changed (maximum length: 32 characters). Entry/depiction of special characters: e.g. Ä, Ö, Ü = AE, OE, UE.

● MENU -- ◄●► PROGRAM MESSAGES - ▮O.K. CHANGE MESSAGE - ▮O.K.

◄●► Select message - ▮O.K. confirm change

◄● Delete current text - ▦ enter new text - ▮O.K. Store

4.7   Barriers

You can specify the possibilities for outgoing calls and for programming by setting up barriers. You can find out how to restrict incoming calls in the section "Call filters".

The setting up of barriers is protected by a PIN (Personal Identification Number).

4.7.1   Hot line

With the hot line function activated, only the automatic dialing of one single telephone number is possible (e. g. in an emergency). The telephone number is dialed after lifting the handset and subsequently pressing any key.

Manual dialing is not possible. Telephone number memories cannot be used. The telephone can, however, continue to be called.

The hot line has priority over all other set-up barriers: This means that it is also performed with the dial bar activated, for example.

Entering/ changing the hot line number

● MENU - ◄●► PROGRAM BARRIERS - ▮O.K. BARRIERS: PIN?

▦ Enter PIN - HOT LINE - ▮O.K.

◄●► PROGRAM HOT LINE NO. - ▮O.K.

    (◄● delete a possibly existing hot line number)

▦ Input tel. number - ▮O.K. store input

Switch on hot line

● MENU - ◄●► PROGRAM BARRIERS - ▮O.K. BARRIERS: PIN?

▦ Enter PIN - HOT LINE - ▮O.K. HOT LINE = OFF

▮O.K. Switch on hot line - ▮O.K. store setting

→▯ Hot line is switched on: The corresponding symbol is displayed.

When switching off, the handset must be on hook!

Switch off hot line

☎ - ● MENU - HOT LINE ON – BAR: PIN?

▦ Enter PIN- HOT LINE = ON

▮O.K. Switch off hot line - ▮O.K. store setting

4.7.2   Dial bar

With the dial bar active, dialing of telephone numbers is not possible. This applies to the keyboard and to all telephone number memories. The telephone can, however, continue to be called. An activated hot line has priority over the dial bar function.
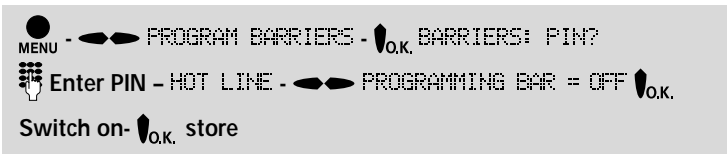
Switching dial bar on and off

● - ◄●► PROGRAM BARRIERS - ▮O.K. BARRIERS: PIN?
MENU

▓ Enter PIN – HOT LINE - ◄●► DIAL BAR = OFF or ON
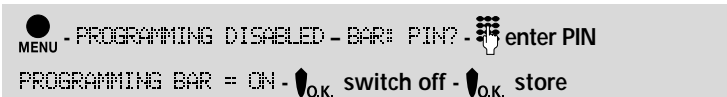
▮O.K. Switch on or off - ▮O.K. store setting

4.7.3   Program bar

With the program bar activated, the menu can no longer be called up. In this way, all programming via the menu is barred.
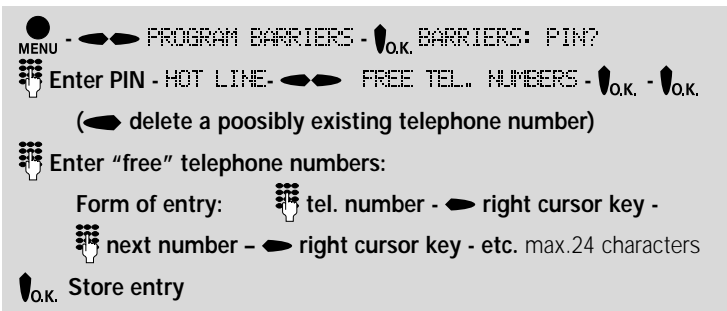
Switching on program bar

● - ◄●► PROGRAM BARRIERS - ▮O.K. BARRIERS: PIN?
MENU

▓ Enter PIN – HOT LINE - ◄●► PROGRAMMING BAR = OFF ▮O.K.

Switch on- ▮O.K. store

Switching off program bar

● - PROGRAMMING DISABLED – BAR: PIN? - ▓ enter PIN
MENU

PROGRAMMING BAR = ON - ▮O.K. switch off - ▮O.K. store

4.7.4   "Free" telephone numbers

You can enter "free telephone numbers": These can be dialed in spite of an activated dial bar or programmed barred numbers.
"Free" telephone numbers must be entered completely when programmed: Additional digits are ignored when dialing. For operation at a PABX, the code digit for line seizure must be entered, too.
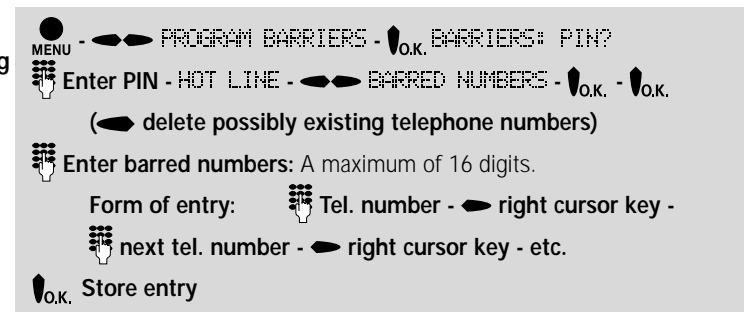
Entering / changing deleting telephone numbers

● - ◄●► PROGRAM BARRIERS - ▮O.K. BARRIERS: PIN?
MENU

▓ Enter PIN - HOT LINE- ◄●► FREE TEL. NUMBERS - ▮O.K. - ▮O.K.

    (◄● delete a poosibly existing telephone number)

▓ Enter "free" telephone numbers:

    Form of entry: ▓ tel. number - ●► right cursor key -

    ▓ next number – ●► right cursor key - etc. max.24 characters

▮O.K. Store entry

4.7.5   Barred numbers

By entering "barred numbers", you can prevent certain numbers from being dialed. Entire telephone numbers or parts of numbers can be barred: By using the digits "00" as a barred number, you can, for example bar all **international calls**. The barred numbers apply to manual dialing and all telephone number memories. "Free" telephone numbers are dialed in spite of barred numbers. For operation at a PABX, the code digit for line seizure must be entered, too.

Entering / changing deleting telephone numbers

● - ◄●► PROGRAM BARRIERS - ▮O.K. BARRIERS: PIN?
MENU

▓ Enter PIN - HOT LINE - ◄●► BARRED NUMBERS - ▮O.K. - ▮O.K.

    (◄● delete possibly existing telephone numbers)

▓ Enter barred numbers: A maximum of 16 digits.

    Form of entry: ▓ Tel. number - ●► right cursor key -

    ▓ next tel. number - ●► right cursor key - etc.

▮O.K. Store entry

4.8   Charges (call costs)

The charge information for calls is transferred from the ISDN network to your phone. You can view the **charge counters** (charges = call costs). For the **charge display** you can use the abbreviation of your currency. Under certain conditions, you can switch between display of units or charges.

Charge counters

Viewing call charges

● - ◄●► CHARGES - ▮O.K. DISPLAY CHARGES - ▮O.K.
MENU

◄●► Using the cursor keys, you can select between the display for

telephone "TEL", the answering device "AD" or the total counter for all

external calls "EXT"

Each time the **sum total** "Σ" is displayed and to the right of it, the **sum for the last call**.
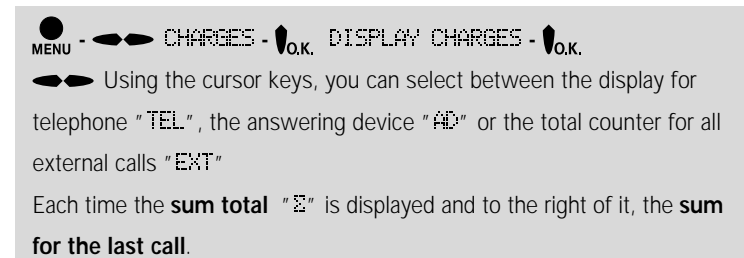
Erasing the call charge counters

● - ◄●► CHARGES - ▮O.K. - ◄●► ERASE CHARGES - ▮O.K.
MENU

ERASE CHARGES: PIN? - ▓ enter PIN

◄●► Using the cursor keys, select the counters - ▮O.K. confirm erase
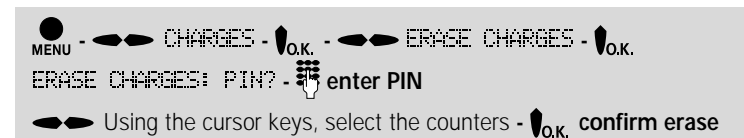
**Changing the
abbreviation
for the currency**

(on delivery:
"DM")

Charge display: Currency

● MENU - ◄●► CHARGES - ❚O.K. - ◄●► CURRENCY = - ❚O.K.

► **Delete the abbreviation for the currency - ⠿ enter abbreviation**

❚O.K. **store input**

Charge display: Units or amount

In ISDN, charge information can be transferred as units or as amounts of money.

1. When transfer is performed in units for your ISDN line:
The charge display can be in units (= status on delivery)
or in amounts.
For the display of amounts, the set **factor** for a unit is used (factor on delivery: 0.12 DM).

2. If transfer of the charges is performed in amounts, units cannot be displayed.

**Changing over
display**

● MENU - ◄●► CHARGES - ❚O.K. - ◄●► CHARGE DISPLAY = UNITS or

AMOUNT - ❚O.K. **change over display - ❚O.K. store settings**

**Changing the
factor**

(on delivery:
0.12 DM)

● MENU - ◄●► CHARGES - ❚O.K. - ◄●► FACTOR = - ❚O.K.

FACTOR: PIN? - ⠿ **enter PIN**

► **Delete factor - ⠿ enter new factor:** maximum 4 digits and a comma

(as decimal point). For the comma: ✱ asterisk key - ❚O.K. **store entry**

4.9   Charge accounts

You can allocate separate amounts of money to up to 4 users for external calls. This so-called charge account is protected by an account code. Accounts can have names allocated to them.

So that amounts can be entered it is necessary – if the charge information is transferred in units – to program a factor (see 4.8).

Charge accounts can only be used if the ISDN "advice of charge" (AOC) function is available. Set-up is protected by the PIN.

Initiating a call for a charge account
With the charge account function switched on, a four-digit **account code** must first be entered.

If the account is at zero, no further outgoing external calls are possible. An existing call can be completed. You can then enter a new amount.

⤴ - ⠿ **Enter account code - ⠿ dial telephone number**

Setting up charge accounts

● MENU - ◄●► CHARGES - ❚O.K. - ◄●► CHARGE ACCOUNTS - ❚O.K.
CHARGE ACCOUNT: PIN? - ⠿ **Enter PIN**

◄●► ACCOUNT: - ❚O.K. ACCOUNT AMOUNT: (possible display of an amo-

unt)(► **delete the possibly existing amount)**

⠿ **Enter account amount:** maximum 4 digits and a comma (as decimal point).
For the comma: ✱ asterisk key - ❚O.K. **store entry**
⠿ **Enter account name - ❚O.K. store entry**
⠿ **Enter account code - ❚O.K. store entry**

Further accounts   Using the same procedure, you can set up a maximum of 4 charge accounts. To do this, use the cursor keys to select the next unused account.

**Changing
accounts**   The accounts can be changed in the same way (e. g. by entering a new amount).

Switching charge accounts on and off

● MENU - ◄●► CHARGES - ❚O.K. - ◄●► CHARGE ACCOUNTS - ❚O.K.
CHARGE ACCOUNT: PIN? - ⠿ **enter PIN**

CHARGE ACCOUNTS = OFF or ON

❚O.K. **Switch on or off - ❚O.K. store setting**

4.10   Appointment call

You can enter up to 5 appointments with date and time. Additionally a telephone number and a text can be entered as reminders. The telephone number is checked by the barred numbers function (see "Barriers").

With handset on hook:

Entering an appointment

⌒ - 🕑 **Press appointment key-** ◗O.K. - (◀▬▶) 00:00 and 23:59 TIME

⌨ **input time:** 4 digits between   - ◗O.K.

set date: ◀▬ delete existing **digits**

⌨ **Enter date**: 4 digits between 01.01. and 31.12. - ◗O.K.

⌨ **Enter text for appointment** (see 4.2). maximal of 16 digits - ◗O.K.

⌨ **input tel. number**: max. 20 digits (input not necessary) - ◗O.K.

Alternatives

The current date is automatically offered each time. You can press the O.K. key to transfer it.
You can terminate input after setting the date by pressing the O.K. key. "APPOINTMENT!" is then entered as text.

Appoiontment has arrived

An appointment is signalled by the appointment tone and the lamp of the key.

🕑 **Press appointment key: Time +** display of an entered text or

APPOINTMENT ! - ⬆ **telephone number is dialed**

Changing appointment

⌒ **With the handset on-hook:** 🕑 **Press appointment key**

◀▬▶ CHANGE APPOINTMENT - ◗O.K. **-** Display of the first appointment

◀▬▶ **View the entered appointments and texts**

When the appointment is selected: ◗O.K. **confirm change**

When making changes, proceed as with making a new entry. Prior to making a new entry, delete each of the existing entries using the left cursor key. After that, make the new entry.

Change appointment

⌒ **With the headset on hook:** 🕑 **press appointment key -** ◗O.K.

◀▬▶ ERASE APPOINTMENT - ◗O.K. **-** display of the first appointment

◀▬▶ **View the entered appointments and texts**

When the appointment is selected: ◗O.K. **confirm erasure**

5   Set-up menu: overview

Settings for telephone operation are collected together in the set-up menu. Operation is protected by a PIN (on delivery: "0000").

5.1   Setting time and date

Time and date are shown in the top display line. The display is automatically set after the first outgoing connection. At every the outgoing call the display is synchronised.
However, you can also set time and date manually. This may be necessary in the case of operation at a PABX.

●MENU -◀▬▶ SET-UP MENU - ◗O.K. - PIN? - ⌨ enter PIN

◀▬▶ SET UP TIME / DATE - ◗O.K. SET UP TIME

⌨ **Enter time:** 4 digits between 00:00 and 23:59 - ◗O.K.

◀▬▶ SET UP DATE - ◗O.K.

⌨ **Enter date:** 2 digits each for day, month and year - ◗O.K.

5.2   Changing the PIN

You can change the PIN (4 digits, on delivery: "0000") in order to protect your telephone. Keep a note of the PIN in a safe palce.
If you have forgotten the PIN, resetting can only be perfomed by the Service department and will be charged for.

●MENU - ◀▬▶ SET-UP MENU - ◗O.K. - PIN? - ⌨ enter PIN

◀▬▶ CHANGE PIN - ◗O.K. - ⌨ enter new PIN: 4 digits

⌨ **Repeat new PIN:** 4 digits - ◗O.K. **confirm entry**

5.3   Exchange line seizure

Exchange line seizure is only necessary with operation at a PABX. Please refer to the system manual to check whether this is necessary. You will also find the line seizure codes there. The digits are automatically placed before the telephone numbers from last number redial and call list.

●MENU - ◀▬▶ SET-UP MENU - ◗O.K. -PIN? - ⌨ enter PIN

◀▬▶ EXCHANGE LINE SEIZURE - ◗O.K.

⌨ **Enter exchange line seizure code:** maximum 8 digits - ◗O.K. **store entry**

5.4   Change of prefix

In Germany the national prefix begins with „0" and the international prefix with „00". This corresponds to the factory setting for your telephone.

In some countries this may differ. With the function described below, you can accordinglychange the factory setting. Such a change will be necessary, in order to ensure a proper call setup when using numbers recalled from the call list or notepad

Change of national prefix

●$_{MENU}$ - ◄●► SET-UP MENU -❚$_{O.K.}$ - PIN? - ⠿ enter PIN -
◄●► PROGRAMM PREFIX - ❚$_{O.K.}$ PREFIX NATIONAL =
❚$_{O.K.}$ Confirm change - ⠿ Enter prefix digit - ❚$_{O.K.}$ Store input

Change of international prefix

●$_{MENU}$ - ◄●► SET-UP MENU -❚$_{O.K.}$ - PIN? - ⠿ enter PIN -
◄●► PROGRAMM PREFIX - ❚$_{O.K.}$ PREFIX NATIONAL =
◄●► PREFIX INTERNATION. = 00
❚$_{O.K.}$ Confirm change - ⠿ Enter prefix digits - ❚$_{O.K.}$ Store input

●$_{MENU}$ - ◄●► SET-UP MENU -❚$_{O.K.}$ - PIN? - ⠿ enter PIN -
◄●► PROGRAMM PREFIX - ❚$_{O.K.}$ PREFIX NATIONAL =
◄●► LOCAL AREA CODE =
❚$_{O.K.}$ Confirm change - ⠿ Enter prefix digits - ❚$_{O.K.}$ Store input

5.5   Entering and changing MSNs

You can enter up to 3 multiple subscriber numbers (MSNs). In this way your telephone will react to calls from all three telephone numbers. The allocation can be changed at any time.

●$_{MENU}$ - ◄●► SET-UP MENU - ❚$_{O.K.}$ -PIN? - ⠿ enter PIN
◄●► ENTER/CHANGE MSN - ❚$_{O.K.}$ MSNs are displayed
◄●► **Select memory location for the MSN** - ❚$_{O.K.}$
    (�－● delete possibly existing MSN)
⠿ **Enter MSN** - ❚$_{O.K.}$ store entry

5.6   Allocation of users to MSNs

The settings are fixed, please do not change them. If subscriber 8 is removed from the allocation, the answering device cannot be switched on.

●$_{MENU}$ - ◄●► SET-UP MENU -❚$_{O.K.}$ - PIN? - ⠿ enter PIN
◄●► ENTER MSN SUBSCR. - ❚$_{O.K.}$
◄●► **Select MSN**: Subscribers 1 and 8 are displayed - ❚^{Stop}

5.7   Language

2 language variants are available for the display texts: You can change over to the other language. **For this, see to section 1.4 in part A.**

5.8   Automatic dialing – setting the pause between dialing

Redial numbers can be dialed automatically. The pause between the dialing operations is adjustable (on delivery): 30 seconds.
A busy line is called up to 10 times.

●$_{MENU}$ -◄●► SET-UP MENU - ❚$_{O.K.}$ - PIN? - ⠿ enter PIN
◄●► AUTODIAL = - ❚$_{O.K.}$
◄●► **Select pause time:** 30 – 60 – 120 – 180 seconds - ❚$_{O.K.}$

5.9   Call filter

Using the call filter, you can specify up to 3 external telephone numbers
(= filters F1 to F3), whose signalling can be enabled or disabled (= type of
filter). Enable or disable each apply to all entered telephone numbers.

Telephone number disabled: Calls from a connection with this telephone
number will not be signalled via the tone caller. It is
display.

Allowing calls: Calls from a connection with this telephone number will be
signalled via the tone caller. All other calls will simply be shown in the
display.

**Entering tele-
phone numbers**

● MENU - ◆▶ SET-UP MENU - ▮O.K. - PIN? - ⌗ enter PIN

◆▶ CALL FILTER - ▮O.K.

◆▶ PROGRAM CALL FILTER - ▮O.K.

◆▶ **Select memory**: F1 to F3 - ▮O.K. **confirm change**

⌗ **input tel. number:** maximum 16 digits

▮O.K. **Store entry**

Using the same sequence you can program up to 3 telephone numbers.

**Deleting tele-
phone numbers**

You can delete a telephone number again. To do this, select the correspon-
ding filter and confirm "Change". Subsequently, delete the number using
the left cursor key and confirm using the O.K. key.

**Selecting the
filter type**

● MENU - ◆▶ SET-UP MENU - ▮O.K. - PIN? - ⌗ enter PIN

◆▶ CALL FILTER - ▮O.K. FILTER = - ▮O.K. **confirm change**

◆▶ **Select filter type wählen:** ALLOW CALLS or BAR CALLS

**Switching on
the filter**

▮O.K. **Store setting:** The selected filter is switched on.

**Switch off
call filter**

● MENU - ◆▶ SET-UP MENU - ▮O.K. - PIN? - ⌗ enter PIN

◆▶ CALL FILTER - ▮O.K. FILTER = - ▮O.K. **confirm change**

◆▶ FILTER = OFF - ▮O.K. **store setting**

5.10   Call delay

With the call delay switched on, signalling of the call by the tone caller is
delayed (a "still" call). The call is shown in the display.
You can accept the call. After the call delay time the call is signalled by the
tone caller.
In this way you can have calls signalled immediately at another telephone
(with the same ISDN line) so that they can be answered there beforehand.
This means that you can set up a kind of executive / secretary function.

**Switching on
call delay for
one MSN**

● MENU - ◆▶ SET-UP MENU - ▮O.K. - PIN? - ⌗ enter PIN

◆▶ CALL DELAY (display of the current setting) - ▮O.K.

◆▶ **Select MSN** (1. to 3. MSNs), whose call is to be delayed ▮O.K.

Store setting

**Switching off
call delay**

● MENU - ◆▶ SET-UP MENU - ▮O.K. - PIN? - ⌗ enter PIN

◆▶ CALL DELAY (display of the current setting) - ▮O.K.

◆▶ CALL DELAY = OFF - ▮O.K.

▮O.K. **Store setting**

5.11   Resetting the unit

You can only reset all individual settings. Memory contents such as
telephone numbers remain unchanged. After resetting, it may be necessary
to reenter all individual settings again.

Please note!   **You cannot undo the effects of resetting. For security reasons, the PIN
is not reset.**

● MENU - ◆▶ SET-UP MENU - ▮O.K. - PIN? - ⌗ enter PIN

◆▶ RESET UNIT - ▮O.K. - ▮O.K. **confirm reset**

**Settings after
reset**

(n. c. = no change)

Name key allocation	n. c.	Outgoing ID	on
Telephone directory	n. c.	Incoming ID	on
Appointment register	n. c.	Camp-on busy	on
Number redial memory	n. c.	PIN	n. c.
Autodial	on	Exchange line seizure	n. c.
Pause	30 secs.	MSNs	n. c.
Call list	n. c.	Language	default language
Dial bar	off	Call filter	off
Hot line	off	Numbers for call filter	n. c.
Hot line number	n. c.	Call delay for MSN	off
Program bar	off	Connection type	n. c.
Free telephone numbers	n. c.	Additional ISDN functions	n. c.
Barred numbers	n. c.	Loudspeaker volume	4

Settings after reset

(n. c. = no change)

Tone caller volume	6
Tone caller sequence	5
Tone caller melody	1
Display contrast	3
Charge counter	n. c.
Factor	0.12
Charge display	units
Currency	n. c.
Charge accounts	on
Account names	n. c.
Account amounts	n. c.
Account codes	c.
External diversion	on
Forwarding to pager	off
Telephone number for forwarding to pager	n. c.

Answering machine	off
Operating mode	n. c.
Text recordings	n. c.
VIP function	off.
VIP code	n. c.
ADAD operation	off
ADAD tel. number	n. c.
Automatic listening-in	on
Room functions	off
Switch on delay	3rd ring
Timer	off
Times for timer	n. c.
Recording	unlimited
Message texts	n. c.
Leave message	on

5.12   Entering connection type and additional features

You can change the set connection type of your ISDN connection (simple, comfort, standard). After that, all the additional features that you have ordered have to be activated or deactivated, so that they can be used. Deactivation is only offered if a feature is not already included in the connection type.

● MENU - ◄●► SET-UP MENU - ▮ O.K. - PIN? - ▦ Enter PIN

◄●► CONNECTION = - ▮ O.K.

◄●► **Select connection type:** simple, standard- or comfort - ▮ O.K.

ADDITIONAL FEATURES - ▮ O.K.

◄●► **Select additional ISDN features:**

- **External diversion** (only with simple or standard connection).
- **Call charge display** (only with simple or standard connection).
- Changeover of **identification for outgoing calls**
- Changeover of **identification for incoming calls**
- **Sending** messages
- **Intercept**
- **Call Diversion**
- **Transfer connection**

▮ O.K. **Activate feature for use** (″ON″) or deactivates (″OFF″)

▮ Stop **Complete setting changes** - ▮ O.K. **Store**

1.1   Answering device controls

Keys and lamps (LEDs) of the answering device
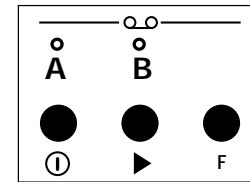
☉   Switch on/off

▶   Playback new messages

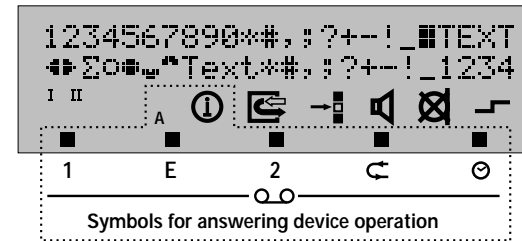**F**   Function key ″ Ne (memo)ded. Lamp goes out

A Lamp for key on/off
- Lamp lights up: Answering device is switched on and ready.
- Lamp is off: Answering device is switched off.

B Lamp for playback key
- Lamp lights up: New messages when all new messages have been heard.

Displays for the answering device

Symbols for answering device operation

Functions are active when the corresponding symbol is visible in the display:
1. You can see at a glance which **announcements** are activated:
   1 = Announcement 1, **E** = Closing announcement or **2** = Announcement 2.
2. ⭯ **ADAD** function
3. ⊘ **Timer**

A	Answering device is active.	①	Indicates that an info text is there for you.

Display of the recording capacity
With the answering device switched on, you have the following display with the telephone in idle condition (instead of the date/time display):

Idle condition

ADD:00 REC:00 REST:11 33	ADD: 5 REC: 3 REST:10 34

″ADD″: Number of calls received. **″REC″:** Number of messages recorded since the last time the answering device was switched on.
″REST″: Remaining recording capacity in minutes and seconds.

1.2   Overview/starting up

Start up
To be able to use the answering device you have to record at least one
announcement text and switch the answering device on.
On delivery, the operating mode "announcement 1 + closing announce-
ment" is set. Without changing this operating mode, you can switch on the
answering device after recording "announcement 1".

The functions at a glance:

• Digital recording

• Recording capacity of approx. 15 minutes.

• Up to 4 announcemet texts and one info text can be recorded.

• The answering device can be used as a dictation machine.

• The number of rings before the answering device switches on can be set.

• The recording time for messages can be restricted.

• Recordings are automatically allocated date and time.

• During recording, you can listen-in and take over the call.

• Using the VIP function the caller can "avoid" the answering device
  function. The call is then immediately signalled via the tone caller.

• Conversations can be recorded.

• The answering device can be used and polled remotely.

• Room functions can be used remotely.

• Using the ADAD function, each of the newly recorded messages can be
  forwarded to a telephone number determined by you.

• Using the timer, you can determine when the answering device
  automatically switches on or off.

• In the case of power failure, the messages stored in the answering
  device are not lost (storage longer than 10 years). No battery is required
  for this.

Note   **Answering device and multiple subscriber numbers**
The answering device reacts to calls for all the multiple subscriber
numbers that you have entered into your telephone.

Notes   **PIN:** For answering device functions protected by a PIN, the PIN set for
telephone operation also applies.

Aborting operation: The "menu" key is blocked after calling up the
answering device menu (using the "F" key). A complete exit from the menu
is possible at any time by pressing the function key "F".

1.3   Recording announcements

Notes   **To achieve a high recording quality, please speak your anouncement
text loudly and clearly!**

Announcement 1: Announcement with the request to leave a message.
Example: "We cannot be reached at the moment. Please leave a message
after the tone."). Possible length of the announcement: 6 to 180 seconds.

Announcement 2: Announcement without requiring a spoken answer (no
signal tone). Example: After giving the name: "You can reach us from ... to
...". Possible length: 6 to 180 seconds.

Closing announcement: This announcement is played back once the
message is recorded. Example: "Your message has been recorded.").
Recording the closing announcement is not absolutely necessary. Possible
length: 0 to 20 seconds.

Notes   **The announcement must be made via the telephone handset.** If the
remaining memory time is shorter than 30 seconds, recording is not
possible. Erase recordings in order to obtain free memory space.
If an announcement is too short, this is indicated to you in the display.

Recording

> ⌒ · **F** Function key- ◄●► RECORD - ❚O.K. - ↗ **lift handset**
>
> ◄●► **Select announcement:** ANNOUNC. 1, ANNOUNC. 2 or CLOSING
>
> ❚O.K. **Start recording:** Remaining time is displayed (minutes/ seconds).
>
> ❚O.K. **End recording**

1.4   Switching the answering device on and off

With handset on hook: Press the switch on key of the answering device.
• The lamp over the key lights up if the answering device is switched on
  and ready for incoming calls.
• The lamp is off: If the answering device is switched off. Or: When
  recording or playback are being performed.

2.1   Recording a message

A call is signalled:
1. The answering device switches itself on after an adjustable number of rings. Before switching on occurs, you can accept the call as usual (on delivery: 3 calls = 15 seconds).

2. Once the announcement has been played back, (with the request to leave a message = announcement 1) the signal tone occurs.

3. The message is recorded. If the caller leaves no message, his/her call is transferred to the call list of the telephone (precondition: telephone number is transferred). Whilst the caller is talking, you can listen-in and, if necessary, take over the call.

4. The recording ends when ...
   ... the caller is silent for longer than 8 seconds or hangs up (speech control).
   ... the maximum recording time for message has been reached.
   ... the recording capacity of the answering device has been reached.

5. After the recording, a possible closing announcement is played back. After that the call is terminated.

2.2   Listening-in and taking over calls

1. With the handset on-hook, listening-in to the recording of a message is performed via the loudspeaker. You can terminate it using the stop key.
2. Listening-in can be continued via the handset. You can terminate it by replacing the handset.

During listening-in, you can **take over the call:**
Confirm Take over using the O.K. key.

O.K.

Automatic listening-in

With the function "automatic listening" switched on, the loudspeaker is activated automatically during recording (see 3.2 in part B). Automatic listening-in only switches on when the telephone is in idle condition (not during a call a call).

Manual listening-in

If the automatic listening-in function is not switched on, you can activate listen-in manually by pressing the O.K. key: The loudspeaker is switched on.

O.K.

2.3   Manual recording of calls

You can record manual calls externally using the answering device. Inform the other party that the call is being recorded. If the recording capacity is less than 30 seconds, manual recording is not offered.

> ♪ **You are in the middle of a call:** ◄●► AD man. rec. - ▮O.K.
>
> The consecutive number of the manual recording and the remaining recording capacity are displayed.
>
> ▮O.K. **Terminate and save the recording**

2.4   Replaying new messages

After pressing the playback key, you can listen to new recordings (new = messages you have not yet played back). Recordings are automatically allocated date and time.

Additional functions: A telephone number, when transferred, is also stored. This you can then view and use for the callback (as with the "call list" of the telephone).

Replaying messages

> ⌢ **With the headset on-hook:** ▮ **playback key: Playback of the first message** (display of number, date and time)
>
> ◄● **Next messge**
>
> ●► **Listen to message again**
>
> ◄● **Back to the previous message:** Within the first 2 seconds of playback, press the left cursor key

Additional functions:

▮O.K. When playing back a message press O.K. key ("more")

Viewing callers

◄●► DISPLAY CALLER (only when the telephone number was transferred)

▮O.K. **Display of the tel. number**

Request

▮O.K. **Confirm callback:** Number is dialed automatically.

or:

Erasing recordings

◄●► ERASE RECORDING - ▮O.K. confirm erase

2.5   Replaying all recordings

Using this menu item, you can have all existing recordings replayed.
Playback can be via the handset or the loudspeaker. Between recordings
you hear the positive acknowledge tone.

> **With the headset on-hook:** **F** Function key
>
> ◗◆◗ PLAYBACK - ❚O.K. - ◗◆◗ Select recoording
>
> The available recording types are offered
>
> - New recordings
> - All recordings
> - Manual recordings of telephone calls
> - Dictations
> - Announcement 1
> - Closing announcement
> - Announcement 2
> - Info text
> - ADAD announcement
>
> ❚O.K. Confirm selection: The recording is played back

Erasing recordings during playback

You can erase recordings of messages as described in 2.4 for the playback
of new messages. Dictations and manual recordings can also be specifically
erased on playback.

2.6   Erasing recordings

Existing recordings can be erased. If an attempt is madse to erase
announcements required forthe set operating mode, you willl see the note
"ANNOUNCEMENT IN USE !". You can abort the function.

> **With the headset on-hook:** **F** Function key
>
> ◗◆◗ ERASE - ❚O.K. - ◗◆◗ select recording
>
> The available recording types are offered
>
> - Old recordings (= ones you have already heard)
> - All manual recordings of telephone calls
> - All dictations
> - Announcement 1
> - Closing announcement
> - Announcement 2
> - Info text
> - ADAD announcement
>
> ❚O.K. Confirm erase: The recording is erased

2.7   Info text

ⓘ

An info text can be recorded using the answering device. You can use this
function as an acoustic "notepad". An existing info text is signaled by the
flashing of the corresponding symbol. The function can also be used
externally via the remote control (see 4.4).

Recording info text

> **With handset on-hook:** **F** function key - ◗◆◗ RECORD - ❚O.K. ↑
>
> **Lift handset -** ◗◆◗ **select recording:** INFO !
>
> ❚O.K. **Start recording:** Remaining time is displayed (minutes / seconds).
>
> ❚O.K. **End recording**

2.8   Dictations

The answering device can be used as a dictation machine. Recording is via
the microphone of the handset.

> **With handset on-hook:** **F** function key - ◗◆◗ RECORD – ❚O.K. ↑
>
> **Lift handset -** ◗◆◗ **select recording:** DICTATION
>
> ❚O.K. **Start recording:** Remaining time is displayed (minutes / seconds).
>
> ❚O.K. **End recording**

2.9   ADAD operation

Using the ADAD ("automatic dialing and answering device"), you can have
the recorded messages of the answering device forwarded to a specified
telephone number ("ADAD telephone number").

Advantage: You do not have to repeatedly check via remote polling
whether new messages are there or not, but rather you are informed
automatically.

Necessary input: Prior to switching to ADAD operation, the ADAD
announcement must be recorded and the telephone number entered.

ADAD function, operation
(once you have set up and switched on the ADAD function):
1. The answering device records a message.
2. The telephone calls the telephone number specified by you.

After accepting the ADAD call:
3. The recorded ADAD message is played back
   (e. g.: " There is a new message. Please enter your PIN.").
4. The answering device now waits 90 seconds for entry of the correct PIN. The "square" (#) key must be pressed before and after the PIN (Entry: # – PIN – #). If the PIN is not entered or is incorrectly entered the connection is broken after 90 seconds. After 5 minutes another attempt is made (a total of 3 attempts).
5. After recognising the correct PIN the answering device plays back all messages not yet heard (as with remote polling).

Recording the ADAD announcement	⌢ **With handset on-hook:** **F** **function key -** ◆◆◆ RECORD - 🔻O.K. ↑ **Lift handset -** ◆◆◆ **select recording:** ADAD ANNOUNCEMENT 🔻O.K. **Start recording:** 🔻O.K. **Start recording:** 🔻O.K. **End recording**
Entering/ changing ADAD / telephone numbers	● MENU - ◆◆◆ PROGRAM ANS.DEV. - 🔻O.K. - ◆◆◆ ADAD FUNCTIONS - 🔻O.K. ◆◆◆ PROGRAM ADAD TEL. NUMBER - 🔻O.K. (◆◆◆ **delete a possibly existing telephone number**) ▦ **input tel. number:** maximum 20 digits - 🔻O.K. **store**
Switching ADAD operation on and off	● MENU - ◆◆◆ PROGRAM ANS.DEV. - 🔻O.K. - ◆◆◆ ADAD FUNCTIONS 🔻O.K. ADAD FUNCTIONS = OFF or ON 🔻O.K. **Switch on or off -** 🔻O.K. **store setting**

ADAD test call
You can set up ADAD operation via the remote control (see 4.4). You can check the setup by means of a test call:

The test call must originate from the connection which has also been programmed as the destination of the ADAD telephone number (ADAD tel. number). After starting the test call via the remote control code, you can replace the handset. The programmed ADAD telephone number is now called automatically. The ADAD announcement is played back as part of the check.

2.10 VIP function

Important note	Using the VIP function, the caller can "avoid" the switched on answering device of the SmartLine D750. The call is then signalled by the tone caller (on delivery: VIP function is switched off; VIP code = "0000"). **To be able to use remote control and VIP function, the PIN and VIP codes must be different.** Whilst the announcement is running, a "VIP caller" must make the following entries. To this he/she requires a telephone with dual tone multifrequency signalling (DTMF) or a code transmitter (as with the remote control): **Press "square" key (#) – enter VIP code – press (#) again.**
Switching the VIP function on and off	● MENU - ◆◆◆ PROGRAM ANS.DEV. - 🔻O.K. - ◆◆◆ VIP FUNCTION - 🔻O.K. VIP FUNCTION = OFF or ON 🔻O.K. **Switch on or off -** 🔻O.K. **store setting**
Changing the VIP code	● MENU - ◆◆◆ PROGRAM ANS.DEV. - 🔻O.K. - ◆◆◆ VIP FUNCTION - 🔻O.K. ◆◆◆ PROGRAM VIP CODE - 🔻O.K. PIN? - ▦ **Enter PIN** ▦ **Enter new VIP code:** 4 digits - 🔻O.K. **store setting**

2.11 Room functions

The room functions can be switched on via the remote control (see 4.4). On delivery the function is switched off. The activation of the room functions is indicated at the telephone by the display text ROOM SUPERVISION.

If a caller switches the **"Room supervision"** on, the microphone of the telephone is activated. The caller can hear what is being said in the room. The function is very useful for checking that everything is "OK" at home when you are not there.
When the **"Room announcement"** function is activated the microphone and the loudspeaker of the telephone is switched on. The caller can talk to anyone in the room.

Important note	By switching off the room functions, you are protected from **unnoticed eavesdropping** due to "room supervision". The room function cannot then be activated by a caller.
Switching rooms functions on and off	● MENU - ◆◆◆ PROGRAM ANS.DEV. - 🔻O.K. - ◆◆◆ ROOM FUNCTIONS = OFF or ON - 🔻O.K. **switch off or on -** 🔻O.K. **store setting**

3.1   Operating mode

1. **Operating mode – announcement 1 + closing announcement**
    • Announcement 1 with the request to leave a message
    • Signal tone, followed by recording of the message
    • After recording the message: closing announcement (optional).

2. **Operating mode – announcement 2**
    • Announcement 2, without the possibility of leaving a message.

3. **Operating mode – combination of modes 1 and 2:**
    • With sufficient recording capacity: announcement 1 + closing
      announcement
    • if the remaining recording capacity is less than 30 seconds:
      announcement 2

●MENU - ◄●► PROGRAM ANS.DEU. - ▮O.K.   AD OPERATION MODE - ▮O.K.

◄●► **Select operation mode:** see above - ▮O.K. **store setting**

3.2   Automatic listening-in

With automatic listening in switched on, the loudspeaker is switched on
during recording (on delivery: switched on).

●MENU - ◄●► PROGRAM ANS.DEU. - ▮O.K.

◄●► AUTO LISTENING = OFF or ON

▮O.K. **Switch on or off** - ▮O.K. **store setting**

3.3   Timer

You can specify a period of time in which the is automatically switched on.
To do this, you specify a switch on and a switch off time as with any other
timer.

●MENU - ◄●► PROGRAM ANS.DEU. - ▮O.K. - ◄●► AD TIMER

▮O.K. TIMER = OFF or ON - ▮O.K. **Switch on or off** - ▮O.K.

Now you enter the time period:

◄●► AD ON AT (display of time) - ▮O.K.

⊞ **Enter switch on time:** 4 digits between 00:00 and 23:59 - ▮O.K.

◄●► AD OFF AT (display of time) - ▮O.K.

⊞ **Enter switch off time:** 4 digits between 00:00 and 23:59 - ▮O.K.

3.4   Setting switch on

The announcement of the answering device begins after an adjustable
number of rings (tone caller). Before the announcement starts, you can
accept the call as usual. The delay can be adjusted between 1 and 5 rings
(on delivery: 3 rings).

●MENU - ◄●► PROGRAM ANS.DEU. - ▮O.K.

◄●► SWITCH ON AFTER (...) RINGS - ▮O.K.

⊞ **Enter the number of rings:** 1 to 5 rings - ▮O.K.

3.5   Time limit for recordings

The recording time for leaving messages can be limited (30, 60, 120, 180
seconds). The limitation can also be switched off. The recording ends when
the caller is silent for longer than 8 seconds or hangs up (on delivery, off).
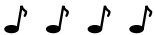
●MENU - ◄●► PROGRAM ANS.DEU. - ▮O.K.

◄●► REC. TIME LIMIT - ▮O.K.

◄●► **Select a time limit:** 30, 60, 120, 180 seconds

or: "OFF" for unlimited recording (speech control) - ▮O.K.

4.1   Remote control: Overview

Remote polling of recorded messages and remote control of answering
device functions is possible from anywhere in the world using the public
telephone network. It is performed by dialing DTMF tones (dual tone multif-
requency) with a suitable telephone or a code transmitter. For this purpose,
the code transmitter is held against the microphone of the handset.

Advisory tones during remote operation:
When using remote control you are informed by tones. There are three
tones or tone sequences:

♪   1 long tone: **Positive acknowledgement** successful input

♪ ♪   2 short tones: **Request tone:** Request for the input of code digits or for
                                       the start of voice input.

♪ ♪ ♪ ♪ 4 short tones: **Negative acknowledgement:** Incorrect input or function
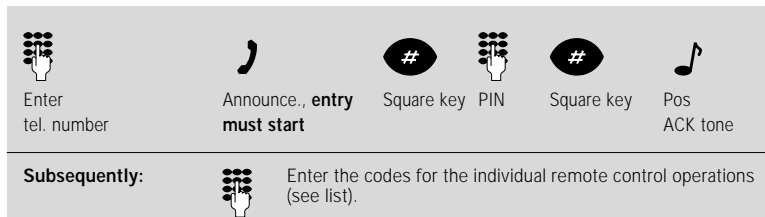   is not possible (e. g. function is barred).

4.2   Remote switch on of a switched off answering device

| Tel. number enter | After approx. 90 seconds: | Request tone | Square key | PIN | Square key | Positive ACK tone |

| Subsequently: | ∗ 0 1 ∗ | Pos. ACK tone | Announc. text(s) |
| | Code for switch on | | |
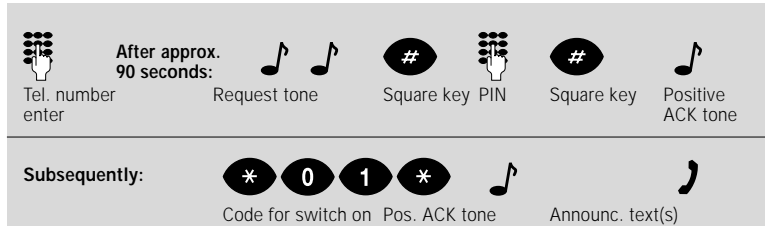
Notice

• to switch on your AD from remote, you have to record the announcements first.

• switching the operating mode to "announce 1 + closing with change-over to announce 2". When no recording space is available, then you switch off the ADAD-function.

4.3   Initiating remote control (answering device is switched on)

| Enter tel. number | Announce., **entry must start** | Square key | PIN | Square key | Pos ACK tone |

| Subsequently: | | Enter the codes for the individual remote control operations (see list). |

Important note

To be able to use remote control and VIP functions, the PIN and VIP codes must be different.

4.4   Codes for remote operation

In the following table the right hand column lists what you will hear after the input (texts, tones etc.).

Function:	Code	You hear:
Playback new messages	13	♪ ♩ message(s)
Playback of all messages	14	♪ ♩ message(s)
Next message	#	♪ ♩ message(s)
Previous message	∗	♪ ♩ message(s)
Erase current message	2	♪ ♩ message(s)
End playback	0	♪
Playback ADAD announcement	15	♪ ♩ ADAD announcm.
Playback info text	16	♪ ♩ info text
Playback announcement text 1	17	♪ ♩ announcem. text 1
Playback closing text	18	♪ ♩ closing text
Playback announcement text 2	19	♪ ♩ announcem. text 2
Erase all heard messages	24	♪
Erase all ADAD messages	25	♪
Erase info text	26	♪
Erase announcement text 1	27	♪
Erase closing text	28	♪
Erase announcement 2	29	♪
Record ADAD announcement	35	♪ ♪ request tone
Record info text	36	♪ ♪ request tone
Record announcement text 1	37	♪ ♪ request tone
Record closing text	38	♪ ♪ request tone
Record announcement text 2	39	♪ ♪ request tone
Terminate recording	0	♪

Function:	Code	You hear:
Switch off answering device	**∗ 00 ∗**	♪
Operating mode: ann. 1 + closing	**∗ 11 ∗**	♪ ♪ announcem. text
Operating mode: announc. 2	**∗ 12 ∗**	♪ ♪ announcem. text
Operating mode: ann. 1 + closing with switch to **announc. 2**	**∗ 13 ∗**	♪ ♪ announcem. text
Remaining memory query	**∗ 2 ∗**	♪ ♪ 1 tone per 3 min.
Switch on room supervision / continue	**∗ 60 ∗**	♪ ♪ room
Switch on room supervision / continue	**∗ 61 ∗** announcement	♪ ♪ room
Room supervision / **-switch off**	**0**	♪
ADAD operation = OFF	**∗ 30 ∗**	♪
ADAD operation = ON	**∗ 31 ∗**	♪ ♪ ADAD ann.
ADAD telephone number	**∗ 4** ▦ ADAD tel. number **∗**	♪
Listen to ADAD call	Call ☏ # ▦ PIN #	♪ ADAD anounce ♪ Message
Start ADAD test call	**∗ 5 ∗** ADAD call ☏	♪ ☏ Hook on ♪ ADAD announce

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CE label

The product corresponds to the basic requirements of all applicable regulations of the *) Council of the European Union. The prescribed conformity evaluation procedures have been implemented (CE 0188 X).

*) At present, these are: 89/336/EWG changed by 92/31/EWG: "Council guidelines, dated 03 May 1989, for the harmonising of laws of member states concerning electromagnetic compatibility" which became the "Law governing the electromagnetic compatibility of devices", dated 09 November 1992.
73/23/EC: "Guideline of the Council, dated 19 February 1973, for the harmonising of laws of member states concerning the electrical resources for use within certain voltage limits", which became the 1st decree to the law covering technical resourcesdated 11.06.1979

Certification

The SmartLine D750 is approved and certified under the following numbers:

    BZT D 122 464 H   BAKOM No.:   96.0183.T.N

Cleaning

Simply wipe off the unit with slightly damp cloth or with an antistatic cloth; please do not use a completely dry cloth. Please avoid the use of cleaning and scouring agents.

Technical data

Power supply . . . . Plug-in power unit SNG 042 W
   Input . . . . 198 ... 253 V
   Output . . . . 10.7 V; 350 mA
   Power consumption < 9 VA
ISDN
   Connection . . . . basic access line: 2 x B-, 1 x D-channel
   Protocol . . . . DSS1 (Euro ISDN)
Ambient conditions . . i.a.w. DIN IEC 721
   Operation . . . . +5 ... +45°C
   Transport . . . . -25 ... +70°C
   Storage . . . . -25 ... +55°C
Dimensions (W x H x D) 270 x 55 x 210 mm
Weight . . . . 970 g
Connections
   ISDN . . . . Western 8/8; 3m long
   Power supply . . . . . Western 6/6; 3m long (at least)
   Handset . . . . Western 4/4; coiled
Answering device
   Recording system . . fully digital; with data compression
   Recording time . . . . typically 15 minutes (with speech pause recognition)
   Number of recordings . . . . max. 59
   Data storage in the case of power failure   ≥ 10 years (no battery necessary)

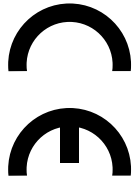## Settings on delivery

Telephone operation:
- Multiple subscriber numbers: none
- Connection type not entered
- Operator prompting: German
- Exch. line seizure: none
- Call diversion: off
- Camp-on busy: allowed
- Incoming ID: allowed
- Outgoing ID: allowed
- Telepone barring off: off
- Automatische Wahl: off
- Call filter: none
- Call delay for MSN: off
- Volume level: level 4
- Tone caller: volume 6, tone sequence: 5, tone melody: 1
- Display contrast: level 3

- Charge display: units
- Charge factor: 0,12
- Hot line number: none
- PIN: "0000"

Answering device:
- Operation: switched off
- Announcements: none
- Operating mode: announce 1 + closing
- Recording length: unlimited
- Automatic listening: switched on
- Room functions: disabled
- "Rings" before switching on: 3
- Timer: off
- ADAD function: off
- VIP function: code = "0000"

Mat. Nr.: 3101.672